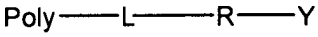
In the claims

1. **(currently amended)** A polymer precursor compound represented by **1**:

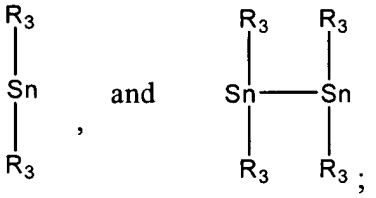



**1**

wherein:

Poly represents a polymer;

L is selected from:






R represents polycyclic aryl, or heteroaryl;

Y represents hydrogen, alkyl, alkoxyl, carbonyl, formyl, amido, amino, alkylamino, dialkylamino, carboxamido, acylamino, (heterocyclcyl)acylamino, alkylcarboxyamido, C(O)-$R_4$ or C(O)NH-$R_4$;

$R_3$ represents independently for each occurrence alkyl, alkenyl or alkynyl;

$R_4$ represents hydrogen, alkyl, alkenyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, peptide, protein, amino acid, antibody, nucleotide, nucleoside, or -$(CH_2)_m$-$R_{80}$;

$R_{80}$ represents independently for each occurrence aryl, cycloalkyl, cycloalkenyl, heterocyclyl, or polycyclyl; and

m is an integer in the range 0 to 8 inclusive.

2. **(original)** The polymer precursor compound of claim 1, wherein L is $R_3$-Sn-$R_3$.

3. **(original)** The polymer precursor compound of claim 2, wherein Y is alkoxyl, formyl, amido, dialkylamino, carboxamido, alkoxyl, alkylcarboxyamido, C(O)-$R_4$ or C(O)NH-$R_4$.

4. **(currently amended)** The polymer precursor compound of claim 3, wherein Y is C(O)-$R_4$ or C(O)NH-$R_4$.

5. (**original**) The polymer precursor compound of claim 1 wherein $R_4$ is a peptide, protein, amino acid, antibody, nucleotide or nucleoside.

6. (**original**) The polymer precursor compound of claim 4 wherein $R_4$ is a peptide, protein, amino acid, antibody, nucleotide or nucleoside.

7. (**original**) The polymer precursor compound of claim 6 wherein $R_4$ is a peptide or protein.

8. (**original**) The polymer precursor compound of claim 6 wherein $R_4$ is a nucleotide or a nucleoside.

9. (**original**) The polymer precursor compound of claim 2 wherein $R_3$ is alkyl.

10. (**original**) The polymer precursor compound of claim 2 wherein $R_3$ is butyl.

11. (**original**) The polymer precursor compound of claim 11 wherein said polymer is functionalized by the moiety L on substantially all monomeric units.

12. (**original**) The polymer precursor compound of claim 1 wherein said polymer is insoluble.

13. (**original**) The polymer precursor compound of claim 12 wherein said polymer is polystyrene, polyurethrane, poly(ethylene-co-vinyl acetate), polyethylene, polystyrene /rubber, or poly(ethylene-co-propylene).

14. (**original**) The polymer precursor compound of claim 13 wherein said polymer is polystyrene.

15. (**currently amended**) ~~The compounds~~ A compound selected from the group consisting of:

~~Poly-(4S, 5S)-2-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}phenyl)-3, 4-dimethyl-5-phenyl-1, 3-oxazolidine)-co-divinylbenzene;~~

~~Poly-(4S, 5S)-2-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}phenyl)-3, 4-dimethyl-5-phenyl-1, 3-oxazolidine)-co-divinylbenzene;~~

~~Poly-(3-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzaldehyde)-co-divinylbenzene;~~

~~Poly-(3-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzaldehyde)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzaldehyde)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzaldehyde)-co-divinylbenzene;~~

~~Poly-(3-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzoic acid)-co-divinylbenzene;~~

~~Poly-(3-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzoic acid)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzoic acid)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzoic acid)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}hippuric acid)-co-divinylbenzene,~~

~~(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}hippuric acid)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}-N, N-diethylethylenediamino-benzamidyl)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-N, N-diethylethylenediamino-benzamidyl)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}-N-succinimidyl ester)-co-divinylbenzene;~~

~~Poly-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-N-succinimidyl ester)-co-divinylbenzene;~~

Poly-(4S, 5S)-2-(5-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-yl)-3, 4-dimethyl-5-phenyl-1, 3-oxazolidine-co-divinylbenzene;

Poly-5-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-carbaldehyde-co-divinylbenzene; and

Poly-5-{Dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-carboxylic acid-co-divinylbenzene.

16. (**currently amended**) A method for preparing a radiolabeled compound, the method comprising: reacting a compound of any one of claims 1 – 15 with an oxidant, a radiolabeled compound and optionally a buffer.

17. (**original**) A method of claim 16, further comprising a purification of the radiolabeled compound.

18. (**original**) A kit containing a radiolabeling system, comprising: a polymer precursor compound and instructions for using said polymer precursor compound, wherein said polymer precursor compound comprises the polymer precursor compound of claim 1.

19. (**original**) The kit of claim 18 that further includes a filter or a filtration device.

20. (**original**) The kit of claim 19 that further includes a chelating agent and optionally an auxiliary molecule.

21. (**currently amended**) A method of synthesizing radiolabeled benzamides on a solid support ~~which comprises~~ comprising:

a) selecting a solid support comprising at least one compound attached to said solid support which compound comprises a benzoic acid moiety;

b) reacting said moiety of said compound attached to said solid support with at least one amine to afford a benzamide bound to a solid support; and

c) reacting said benzamide bound to said solid support with a radiolabeled compound or isotope, and an oxidant to yield said radiolabeled benzamides.

22. (**original**) The method of claim 21 wherein the radioisotope is selected from the group consisting of $^{18}F$, $^{11}C$, $^{76}Br$, $^{123}I$, $^{131}I$ and $^{125}I$.